
Preface

In this edition we have gathered a number of chapters on diagnosis and management of corneal disorders.

Miller, Girgis, Karp and Alfonso discuss mycobacterial keratitis, uncommon but increasingly encountered following ocular surgery or trauma. Diagnosis and medical therapy remain challenging for this infection.

Sueke, Horsburgh, Gilbert, Shankar, Neal and Kaye present a pragmatic approach to antibacterial chemotherapy in keratitis. Corneal specialists working in referral clinics will be particularly interested in their forward look to new antibacterial agents.

While familial keratoconus is very uncommon in Europe and North America, there is an increasing interest in information we can discover on keratoconus pathogenesis from apparently unaffected relatives with subclinical ectasia signs. Willoughby and Lechner review their own work and the recent published literature.

Imaging techniques have become a valuable component in diagnosis of corneal diseases, ranging from infections to corneal dystrophies. Labbé, Denoyer and Baudouin further show that confocal microscopy and ocular coherence tomography may facilitate clinical follow-up after corneal surgery.

Cursiefen and Bock discriminate between haem- and lymph-angiogenesis. They demonstrate that novel anti-angiogenic agents directed at blood or lymph vessels can significantly improve allograft survival by regression of corneal vessels pre- as well as post- transplantation.

For keratoplasty it is vital that corneal surgeons have access to cornea banks with robust and effective quality and risk management systems. Pels and Pollock illustrate that this is especially true in respect to the increasing practice of eye bank preparation of donor posterior lamellar cornea for endothelial keratoplasty procedures.

Few corneal surgeons undertake corneal transplantation in infants with any regularity. Surgical technical and post-operative management challenges in this transplant recipient group are very different to older patients, as Kim and Rootman describe. We expect that David Rootman's comparatively huge experience in infant keratoplasty will be a useful reference to those readers faced with occasional infant candidates for surgery.

We hope you enjoy reading this book.

Thomas Reinhard

Frank Larkin

Corneal Disease

Recent Developments in Diagnosis and Therapy

Reinhard, Th.; Larkin, F. (Eds.)

2013, X, 126 p. 32 illus., 16 illus. in color., Hardcover

ISBN: 978-3-642-28746-6